

Anti ACTH (Mouse, Rat) Serum

Cat. No. Y350 Lot No. 54150207

Description: This antiserum was raised in a rabbit by immunization with a carrier free conjugate of synthetic ACTH (mouse, rat) peptide. The product vial contains 50 μ L of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with ACTH (mouse, rat).

Immunogen: Synthetic ACTH (mouse, rat), carrier free

Host: Rabbit

Amino Acid Sequence of ACTH (mouse, rat)¹⁾:

SYSMEHFRWG KPVGKKRRPV KVYPNVAENE SAEAFPLEF

Product Form: Lyophilized unpurified serum

Size: 50 μ L

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN₃ 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

Suggested Working Dilution Range: 1:1,000-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on non-competitive EIA): ACTH (mouse, rat) 100%, ACTH (human) 80%,

Positive Control (immunohistochemistry): Rat pituitary gland

Species Tested: Rat

REFERENCES:

1) J. Drouin, M. Chamberland Charronet al., Structure of the rat pro-opiomelanocortin (POMC) gene. FEBS Lett. 193:54-59, 1982

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